



Committee on Child Protection Montpelier, Vermont

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Improving Care for the Opioid-exposed Newborn: The Vermont Experience

Anne Johnston MD, Associate Professor of Pediatrics, UVM



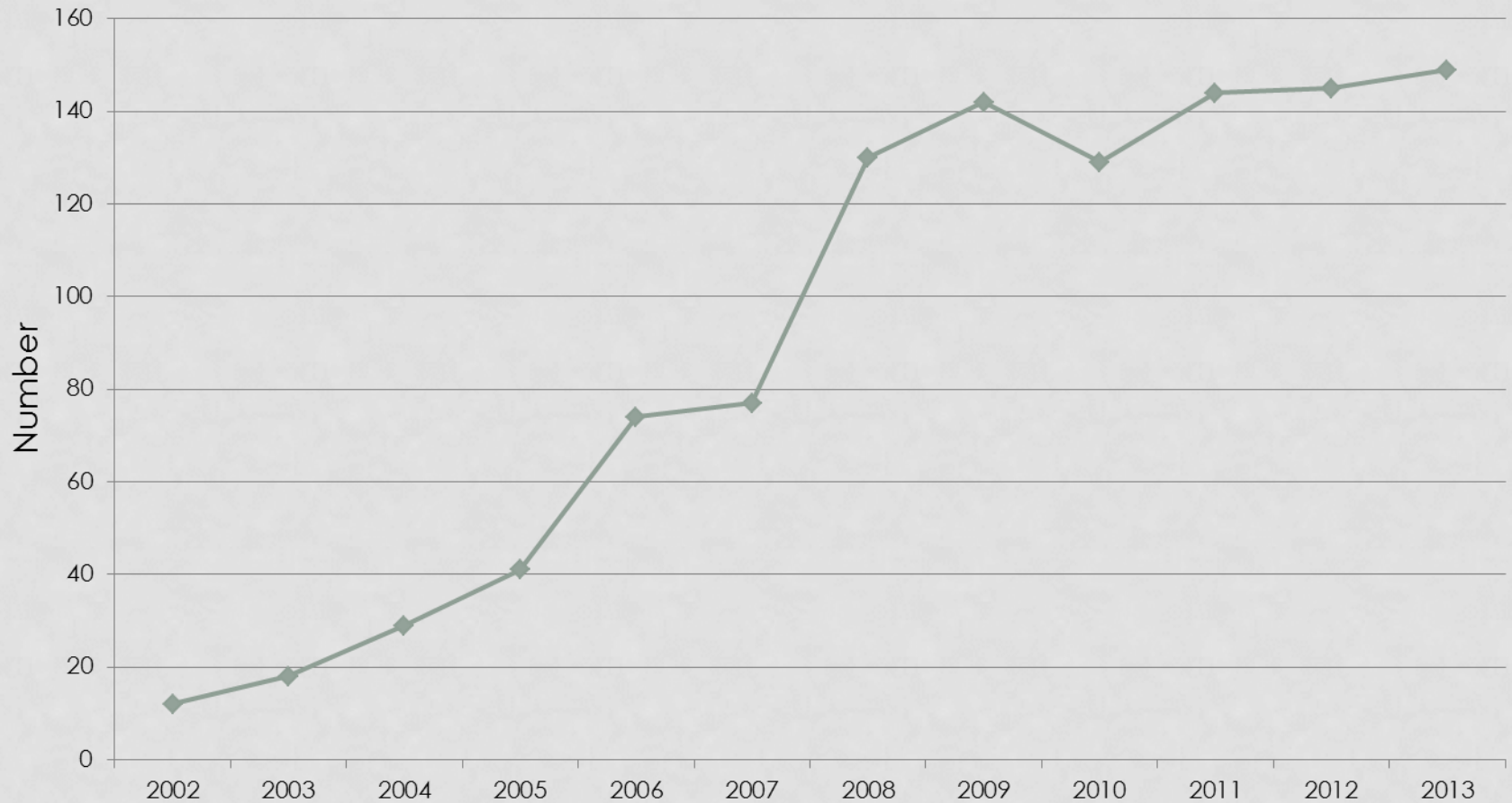
History of program for pregnant and parenting opioid-dependent women at FAHC

- 2000: 1st pregnant woman managed with methadone; infant sent home on methadone
- 2002: Addictionologist, Obstetrician and Neonatologist began meeting with increased numbers of patients
- 2003: Monthly multidisciplinary meetings with agencies including Lund Family Center, Home Health Nursing, DCF and multiple other agencies
- 2004: Started work with VCHIP (UVM and State of Vermont)
- 2008 to present: over 120 infants born annually to mothers on opioids are followed – Dr. Marjorie Meyer (Obstetrics) and Dr. Anne Johnston (Neonatology) work collaboratively on projects to improve care for these mothers and children

THE FAHC NUMBERS AS OF JULY, 2014

- # opioid-exposed babies: 1,155
- # pregnancies: 1,160
- # mothers: 924

Number of opioid-exposed newborns followed at FAHC by calendar year



MYTHS

- 1 Opiates during pregnancy → “damaged baby”
- 2 Every baby born to a mother on opiates is born “addicted”
- 3 If a baby needs treatment for opiate withdrawal, it must be because she the mother “used” opiates during pregnancy
- 4 More severe withdrawal must be because the mother “used” during pregnancy
- 5 Opiate abuse + pregnancy → child abuse

Myth #1: Opiates during pregnancy → “damaged baby”

- There is no evidence that opiate exposure, in and of itself, results in developmental delay or any other lasting effects
- On the other hand, alcohol exposure can result in profound physical /developmental / behavioral effects

Vermont Children's Hospital:

Bayley III Composite Scores at 7-14 months (N=155)

	Cognitive	Language	Motor
Mean	108.4	105.8	104.3
Percentile Rank	67.4	63.7	63.3

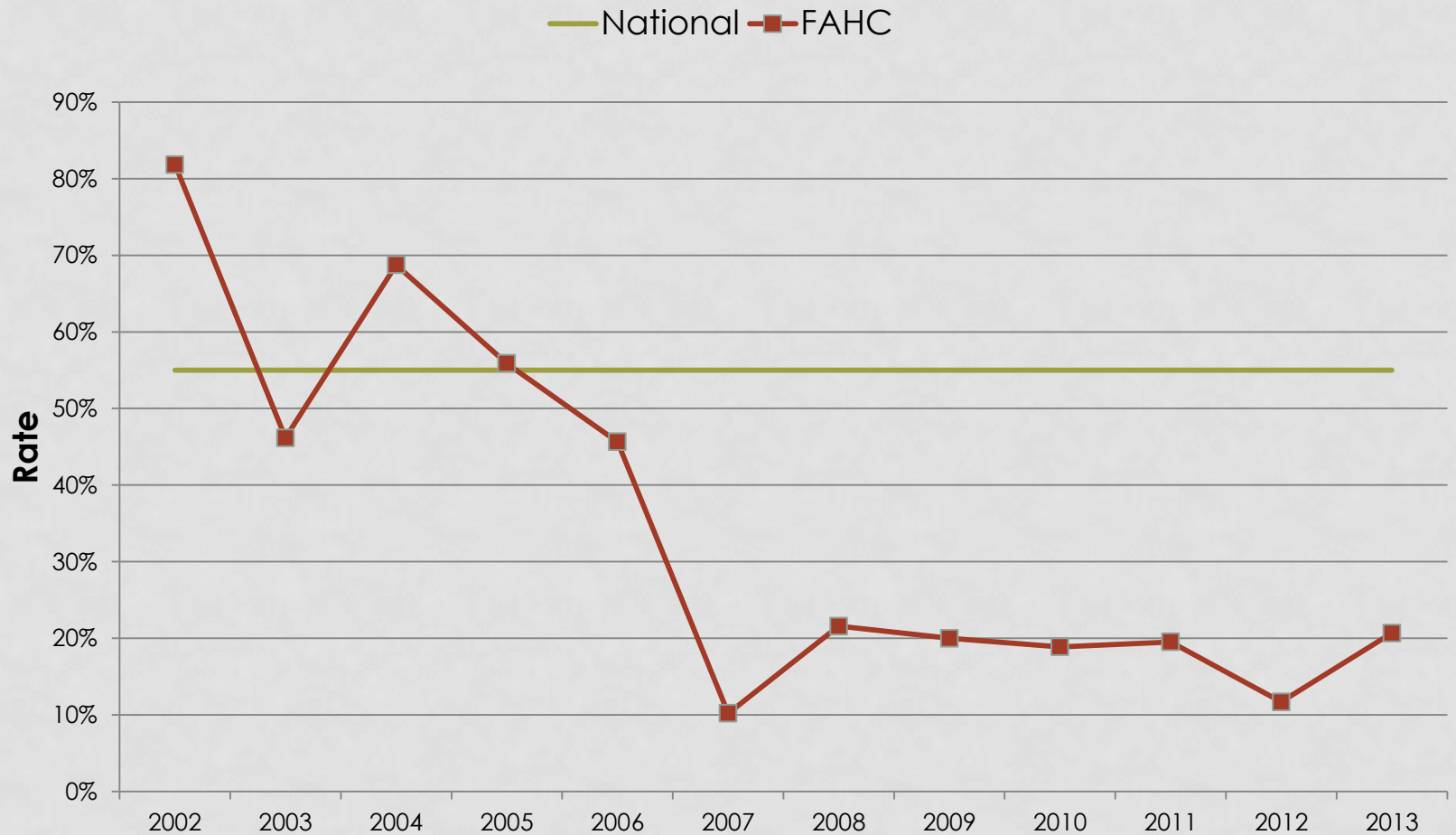


Data updated April, 2014

Myth #2: Every baby born to a mother on opiates is born “addicted”

- Opiate-exposed: exposure to opiates – most commonly methadone or buprenorphine – through a program. May also be due to street acquired opiates.
- Opiate-dependent: infant exhibits signs of withdrawal severe enough to need medication
- Opiate-addicted: infants cannot be addicts, the disease of addiction requires obsession and compulsion, loss of control, “breaking the rules”
- Our data show that only 20% of opiate-exposed infants require treatment.

Vermont Children's Hospital
% Infants who received pharmacologic therapy



Myth #3: If a baby needs treatment for opiate withdrawal, it must be because she “used” opiates during pregnancy

- 20 – 30% of infants whose mothers were on prescribed methadone or buprenorphine need medication to treat their withdrawal at FAHC
- Dependence and withdrawal are associated with illegal use of opiates during pregnancy, however the % needing treatment may be lower
- Exposure to tobacco can also increase the severity of withdrawal

Myth #4: More severe withdrawal must be because the mother “used” during pregnancy

- The severity of withdrawal is not associated with the dose of medication during pregnancy
- The severity of withdrawal as measured by the NAS score is not associated with use during pregnancy
- Tobacco (nicotine exposure) is known to elevate the scores early after birth
- Unknown factors, including genetic factors play a role in the incidence and severity of withdrawal

Myth #5: Opiate abuse + pregnancy = child abuse

- 1155 babies born to opiate-dependent women at FAHC
- Over 90% of these babies are discharged in the care of their mother +/- father
- These cases are discussed in monthly ChARM meetings with DCF present
- If a parent is not adhering to treatment, does not want to receive treatment and is actively using – they are NOT ready to parent a child
- The majority of parents we see are actively engaged in treatment and display good parenting, many need support in order to do so

WHAT ARE THE OUTCOMES?

- Pregnant women are in treatment earlier with better prenatal care
- Reduction in % premature births
- Reduction in % low birth weight infants
- 20 – 30% of exposed infants need methadone at home (compared to national average of 55%)
- Length of hospital stay is lower than any other program reported for the treated infants
- The infants we have followed have no increased developmental delay at ~12 months of age

DEATHS < 1 YR INFANTS (2000 – July, 2014)

#	Month/Year of Death	Age @ Death	Cause of Death
1	05/2004	5 days	Shared sleeping
2	04/2006	4 months	SIDS
3	12/2008	6 months	MVA
4	01/2009	4 months	Shared sleeping
5	11/2009	5 months	Shared sleeping
6	03/2010	5 months	Hypoplastic Left Heart Syndrome
7	12/2010	6 weeks	Shared sleeping
8	05/2012	8 months	MVA
9	08/2013	3 months	Shared sleeping
10	09/2013	2 months	Shared sleeping
11	09/2013	19 days	Shared sleeping
12	11/2013	1 day	Extreme prematurity

04/2014: Death @ 14 months, due to non-accidental trauma

ICON: Improving Care for the Opioid-exposed Newborn

- ✓ Publication distributed throughout state: “Vermont Guidelines for the Treatment of Opioid Dependence During Pregnancy”

<http://www.uvm.edu/medicine/vchip/?Page=perinataltools.html>

- ✓ Outreach education to the community-NAS management, treatment, scoring
- Projects:

- Implement education regarding safe sleep
- Reduction of exposure to tobacco smoke
- Increase % of mothers who breast feed



How do we keep children safe within the context of this program?

- Build upon the good collaboration between DCF and FAHC program with increased communication (confidentiality prevents us)
- Increase services in the 2nd year of life
- Longer monitoring by DCF following reunification
- We have a successful program which attracts women to treatment, builds trust and allows them to be honest with us

How do we keep children safe within the context of this program?

- ❑ Caution: if the “word on the street” is that FAHC will involve DCF in every case and/or remove babies from families – this will have many deleterious effects including driving these women to hide their addiction – receive no treatment resulting in increased pregnancy complications including significant effects on the newborn and increased risk of child abuse and neglect
- ❑ **The baby’s health depends upon the mother’s health**